

Author Index to Volume 17 (1989)

(The issue number is given in front of the pagination)

- Bakonyi, P. and Csaba, L.**, Network for the Hungarian R&D Community (4,5) 332-336
- Bauerfeld, W. and Hollecsek, P.**, Global Connectivity (4,5) 300-304
- Black, W.**, File Access and Serving in an OSI Environment (4,5) 294-299
- Bürger, U.**, A Flexible Two-phase Commit Protocol (3) 175-185
- Carpenter, B.E.**, Is OSI Too Late? (4,5) 284-286
- Castelli, E.**, The INFN and the INFNet (4,5) 252-255
- Cerf, V.**, The Internet Activities Board (4,5) 337-341
- Chanson, S.T.**, *see* Zeng, H.X. (2) 77- 88
- Chess, D.M.**, Computer Viruses and Related Threats to Computer and Network Integrity (2) 141-148
- Chiu, D.-M. and Jain, R.**, Analysis of the Increase and Decrease Algorithms for Congestion Avoidance in Computer Networks (1) 1- 14
- Clyne, L.**, Lower Layer OSI Addressing (4,5) 279-281
- Craigie, J.**, UK Academic Community Directory Service Pilot Project (4,5) 305-310
- Csaba, L.**, *see* Bakonyi, P. (4,5) 332-336
- Fluckiger, F. and Løvdal, E.**, Unmet Challenges (4,5) 256-262
- Foest, G.**, Proposal for a Pan-European Information Service (EIS) (4,5) 348-349
- Gagliardi, D.**, Keynote Speech: ETSI (4,5) 244-251
- Ghiselli, A.**, Interworking in INFNet (4,5) 371-375
- Gilmore, B.**, European Virtual Terminal Pilot Project (4,5) 352-353
- Gilmore, B.**, Workstations: Beyond the Dumb Terminal (4,5) 312-314
- Gopal, I.S.**, *see* Segall, A. (2) 127-139
- Grimm, R.**, Security on Networks: Do We Really Need It? (4,5) 315-323
- Grimm, R. and Heagerty, D.**, Recommendation for a Shorthand X.400 Address Notation (4,5) 263-267
- Hamacher, V.C.**, *see* Kamal, A.E. (1) 15- 27
- Hasegawa, T.**, *see* Oie, Y. (3) 201-221
- Heagerty, D.**, *see* Grimm, R. (4,5) 263-267
- Herchuelz, P.**, Supercomputers: Some Aspects of Their Impact on Communications (4,5) 328-330
- Hollecsek, P.**, *see* Bauerfeld, W. (4,5) 300-304
- Huitema, C.**, Proposal for Co-ordination of a RARE OSI Directory Pilot (4,5) 350-351
- Huitema, C.**, The Challenge of Multimedia Mail (4,5) 324-327
- Hutton, J.**, Rare Working Groups: An Overview (4,5) 241-243
- Ikeuchi, N. and Yoshida, M.**, Network Constructing Algorithm Based on Link Significance Evaluation: NABLE (1) 29- 36
- Jain, R.**, *see* Chiu, D.-M. (1) 1- 14
- Kamal, A.E. and Hamacher, V.C.**, Approximate Analysis of Non-exhaustive Multi-server Polling Systems with Applications to Local Area Networks (1) 15- 27
- Linington, P.F.**, Why OSI? (4,5) 287-290
- Lloyd, M.**, Conformance: Assuring Interoperability (4,5) 367-370
- Løvdal, E.**, The Challenge of TCP/IP (4,5) 376-379
- Løvdal, E.**, *see* Fluckiger, F. (4,5) 256-262
- Matsubara, M.M.**, Evolution of CCITT Numbering Plans and Network Interworking. Public Data Network Perspective (1) 47- 57
- Michau, C.**, The IXI Pilot Project (4,5) 346-347
- Morris, S., Suda T. and Nguyen, T.**, A Tree LAN with Collision Avoidance: Photonic Switch Design and Simulated Performance (2) 89-100
- Morris, S.**, *see* Suda, T. (2) 101-110
- Muftic, S.**, Extended OSI Security Architecture. Second Stage of the CEC COST-11 Ter Project (3) 223-227
- Neufeld, G.**, *see* Ng, S. (3) 157-173
- Ng, S. and Neufeld, G.**, ubcVTP: An Implementation of ISO VTP (3) 157-173
- Nguyen, T.**, *see* Morris, S. (2) 89-100
- Nishio, S.**, *see* Oie, Y. (3) 201-221
- Niwa, A. and Tokunaga, H.**, Evolution of NTT's Networks Towards INS (1) 37- 45
- Oie, Y., Nishio, S. and Hasegawa, T.**, Throughput Analysis of Blocked Access Tree Algorithms with Mini-slots (3) 201-221
- Onions, J.**, ISODE: In Support of Migration (4,5) 362-366
- Press, J.**, Software Based Encryption for Local Area Networks (3) 187-192
- Prévost, J.**, The European High Speed Networking Initiative Project (4,5) 354-357

North-Holland

Computer Networks and ISDN Systems 17 (1989) 385-386

- Sarikaya, B.**, Conformance Testing: Architectures and Test Sequences (2) 111-126
- Segall, A. and Gopal, I.S.**, Distributed Name Assignment in Computer Networks (2) 127-139
- Sluman, C.**, A Tutorial on OSI Management (4,5) 270-278
- Smith, B.R.**, *see* **Zeng, H.X.** (2) 77- 88
- Speth, R.**, The Y-NET Initiative: An OSI Kernel for European R&D (4,5) 358-360
- Suda, T. and Morris, S.**, Tree LANs with Collision Avoidance: Station and Switch Protocols (2) 101-110
- Suda, T.**, *see* **Morris, S.** (2) 89-100
- Takiyasu, Y. and Tanaka, T.P.**, Consideration of a Slot Access Method for Backbone Local Area Networks (3) 193-199
- Tanaka, T.P.**, *see* **Takiyasu, Y.** (3) 193-199
- Tindemans, P.**, COSINE: Ready to Move into Implementation Phase (4,5) 344-345
- Tokunaga, H.**, *see* **Niwa, A.** (1) 37- 45
- Truijens, J.**, *see* **Wester, E.M.**
- Ullmann, K.**, President's Review of the Year (4,5) 239-240
- van Till, J.**, The A-ISDN Proposal to Bridge "Personal Computers" and "ISDN" (2) 149-152
- Wester, E.M. and Truijens, J.**, Editorial (4,5) 233-235
- Yoshida, M.**, *see* **Ikeuchi, N.** (1) 29- 36
- Zeng, H.X., Chanson, S.T. and Smith, B.R.**, On Ferry Clip Approaches in Protocol Testing (2) 77- 88

Subject Index to Volume 17 (1989)

Abstract Test Methods	77	Distributed Algorithms	127
Access Method	193	Distributed Termination Problem	175
Access Points	346	Distributed Transaction Processing	175
Access Protocol	89, 101	Document Types	294
Active (Passive) Ferry Clip	77	Domain Defined Attributes	263
Address Notation	263	Domain Specific Part	279
Address Syntax	263		
Addressing	47	E-mail	332
ANSI	312	E.164	47
Assessment to Security	223	E.166	47
Asset	315	Electronic Mail	263
Asynchronous Datacommunications	149	Encryption	187, 315
Attack	315	ETSI	244
Authentication	315	European Standardization	244
Authorization	315	European Information Service	348
		European VT Project	352
Backbone Network	29		
Bearer Service	37	Fairness	1
BLAN	193	Ferry Clip	77
Bridging	362	Ferry Clip Test Approaches	77
Broadcast	89, 101	Ferry Principle	77
BSI	312	File Acces	294
		File Server	294
CCITT X.25	332	File Transfer	332
Challenges	256	Flow Control	1
Channel Adapter	332	Formal Models	223
Collision Avoidance Switch	89, 101	Formal Protocol Specification	111
Collision Resolution Algorithm	201	FTAM	294
Common Database	37	Functional Standards	294
Communication Management	287		
Communication Processing	37	Gateway	332
Communication Protocol	111, 157	Gatewaying	362
Computer Communication	157	Global Connectivity	300
Computer Network	1		
Computer Virus	141	HEPnet	371
Confidentiality	315	Heuristic Algorithm	29
Conformance Testing	77, 111, 367	Hierarchical Network	29
Congestion Avoidance	1	High Speed Networking	354
Congestion Control	1	High Speed Networks	324
Connection-Mode	287		
COSINE	239, 346, 352, 358	IES	358
COSINE Community	348	Industrial	344
CTS Programme	367	INFN	252
		INFNet	252, 371
Databases	332	INS	37
DCC Scheme	279	Integrated Services Digital Networks (ISDN, ISDN-B, ATM)	324
DECnet	371	Integrity	141, 315
Denial of Service	315	Interconnection	346
Dial-up	149	Interim Directories	256
Digital Signature	315	Internet	141, 337
Directories	127, 256	Internet Protocol	300
		Interoperability Testing	367
		ISDN	149
		ISO	279
		ISO 8571	294
North-Holland			
Computer Networks and ISDN Systems 17 (1989) 387-389			

- | | | | |
|---------------------------------|-------------------------|-----------------------------------------|----------|
| ISO/IEC 9594 | 305 | OSI Systems | 223 |
| ISODE | 362 | OSI Transaction Processing | 175 |
| Key Distribution | 187 | PAD | 332 |
| Keywords | 263 | Partial-insertion Ring | 15 |
| LAN | 279 | Performance Evaluation | 15, 89 |
| Link Significance | 29 | Personal Computers | 149 |
| Local Area Network | 15, 89, 101, 187, 193 | Photonic Design | 89 |
| Mail Address | 263 | Polling Systems | 15 |
| Maximum Throughput | 201 | Protocol Schismes | 256 |
| MDNS | 346 | Protocol Testing | 77 |
| Mean Waiting-time Approximation | 15 | Protocols | 337 |
| Message Handling Services (MHS) | 324, 350 | Quality Grade | 37 |
| Message Handling Systems | 263 | Queues | 15 |
| Migration | 344, 362 | RACE | 354 |
| Migration Strategy | 376 | Random Access | 201 |
| Mini-slots | 201 | RARE | 239, 241 |
| MultiMedia | 324 | Regulation | 346 |
| MultiMedia Conference | 324 | Remote Access to Supercomputers | 328 |
| MultiMedia Mail | 324 | Remote Job Entry | 256 |
| MultiMedia Workstations | 324 | Remote Procedure Calls | 256 |
| Multiple Servers | 15 | Repudiation | 315 |
| Name Assignment | 127 | Research and Telecommunication Policies | 344 |
| Naming | 127 | Resource Management | 1 |
| Network Applications | 376 | Responsibility | 315 |
| Network Configuration | 37 | RFC 987 | 263 |
| Network Design | 29 | Risk Analysis | 223 |
| Network Interworking | 47 | Routing | 256 |
| Network Management | 270, 346 | Security | 141, 315 |
| Network Migration | 376 | Security Management and Protocols | 223 |
| Network Optimization | 29 | Security Management Database | 223 |
| Network Performance | 1 | Security Mechanism | 315 |
| Network Planning | 29 | Security Policy | 315 |
| Network Policy | 239 | Security Service | 315 |
| Network Protocols | 376 | Selectors | 279 |
| Networking | 337 | Service Module | 37 |
| NeWS | 312 | Simulation | 193 |
| Node Significance | 29 | Slotted Ring | 15, 193 |
| Nonhierarchical Network | 29 | Stability | 201 |
| NSAP | 279 | Standard Attributes | 263 |
| Numbering Plans | 47 | Standardization | 244, 287 |
| O/R Address | 263 | Standardized Interface | 37 |
| O/R Name | 263 | Standards | 270, 337 |
| ODP | 287 | Super-minicomputers | 328 |
| Open Standards | 312 | Supercomputers | 256 |
| Open System Interconnection | 111, 157, 187 | Systems Management | 270 |
| Operational Requirements | 294 | Tariffs | 328 |
| Operations System | 37 | TCP/IP | 337, 371 |
| OSI | 284, 287, 294, 362, 367 | Telecommunication Standards | 244 |
| OSI Addressing | 279 | Telecommunications and Supercomputers | 328 |
| OSI Directory Service | 350 | Termination Strategy | 175 |
| OSI Management | 270 | Test Architectures | 111 |
| OSI Migration Strategy | 371 | Test Sequences | 111 |
| OSI Networking | 344 | The Directory | 305 |
| OSI Routing | 256 | Threat | 315 |
| OSI Security Architecture | 223 | TOMAS | 37 |
| | | TP4/IP | 300 |

TP0/X.25	300	Wide Area Backbone	376
Transition	362	Workstations	256, 312
Tree Algorithm	201	Worm	141, 315
Tree Topology	89, 101		
Trojan Horse	141		
Trusted Partner Relation	315		
Two-Phase Commit Protocols	175		
User Support	348	X Windows	312
VENUS	354	X.121	47
Virtual Terminal Protocol	157	X.122	47
Virus	315	X.213	47
VT Protocol	352	X.25 Service	346
		X.400	263, 312, 358
		X.500	305, 350
		X.25	371
WAN	279		
WEP	358		

